
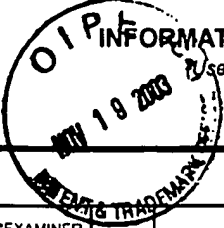
 <p>INFORMATION DISCLOSURE CITATION (See several sheets if necessary)</p>				ATTY DOCKET NO. PES-0160		SERIAL NO. 10/604,670		
				John Zagaja, et al.				
				FILING 08/08/2003		GROUP 1745-1742		
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	1	3,379,634	04/23/1968	Rutkowski, M.D.	204	258	05/24/1965	
	2	3,992,271	11/16/1976	Danzig et al.	204	129	03/03/1975	
	3	4,039,409	08/02/1977	LaConti et al.	204	129	12/04/1975	
	4	4,040,936	08/09/1977	Orth et al.	204	271	08/02/1976	
	5	4,048,383	09/13/1977	Clifford	429	19	02/09/1976	
	6	4,136,004	01/23/1979	Kamarian et al.	204	256	07/09/1976	
	7	4,146,438	03/27/1979	de Nora et al.	204	1.5	03/07/1977	
	8	4,191,618	03/04/1980	Coker et al.	204	98	07/06/1978	
	9	4,209,368	06/24/1980	Coker et al	204	98	08/07/1978	
	10	4,209,591	06/24/1980	Hendriks	435	288	08/03/1978	
	11	4,210,501	07/01/1980	Dempsey et al.	204	129	07/06/1978	
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	11	04 406 831 A1	09.01.91	Europe				✓
	12	0 472 922 A2	04.03.92	Europe				✓
	13	EP 0 791 974 A1	27.08.1997	Europe				✓
	14	WO 99/39840	12.08.1999	International				✓
	15	WO 99/39841	12.08.1999	International				✓
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
	16	SPE Hydrogen/Oxygen Fuel Cells for Rigorous Naval Applications, J.F. McElroy et al., United Technologies, Windsor Locks, Connecticut (5 pages)						
	17	American Society of Mechanical Engineers, "Design and Test Status for Life Support Applications of SPE Oxygen Generation Systems", W.A. Tirrerington and A.C. Erickson, 8 pages						
EXAMINER 				DATE CONSIDERED 3/3/06				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

 INFORMATION DISCLOSURE CITATION <small>(Use several sheets if necessary)</small>				ATTY DOCKET NO. PES-0160		SERIAL NO. 10/604,670		
				John Zagaja, et al.				
				FILING 08/08/2003		GROUP 1745 1742		
U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	18	4,212,714	07/15/1980	Coker et al.	204	98	05/14/1979	
	19	4,214,958	07/29/1980	Coker et al.	204	98	05/14/1979	
	20	4,224,121	09/23/1980	Dempsey et al.	204	98	07/06/1978	
	21	4,272,352	06/09/1981	Jizaimaru et al.	204	279	06/06/1979	
	22	4,276,146	06/30/1981	Coker et al.	204	266	12/07/1979	
	23	4,294,671	10/13/1981	Balko	204	128	05/14/1980	
	24	4,311,568	01/19/1982	Balko	204	128	04/02/1980	
	25	4,311,569	01/19/1982	Dempsey et al.	204	129	04/21/1980	
	26	4,331,523	05/25/1982	Kawasaki	204	129	03/26/1981	
	27	4,333,805	06/08/805	Davidson et al.	204	98	04/27/1981	
	28	4,360,416	11/23/1982	Davidson et al.	204	266	04/27/1981	
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	29	WO 01/37359 A2	25.05.2001	International	H01M	4/00		✓
<i>llb</i>	30	1,145,250	12.07.1967	Germany	H 01 m	27/00		✓
<i>llb</i>	31	DE197 57 320 A 1	1.7.99	International	H01M	4/92		✓
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
	32	"An Electrochemically Regenerative Hydrogen-Chlorine Energy Storage System for Electric Utilities", E. Gileadi et al., Journal of Power Sources, 2 (1977/78) 191-200 (April 27, 1977)						
	33	ASME Publication, "Aircraft On-Board Electrochemical Breathing Oxygen Generators", J.W. Harrison, 8 pages, Abstracts of Papers, 166th National Meeting, American Chemical Society Division of Fuel Chemistry, August 27-31, 1973						
EXAMINER <i>llb llb</i>				DATE CONSIDERED <i>3/3/06</i>				
<small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>								

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.

PES-0160

SERIAL NO.

10/604,670

John Zagaja, et al.

FILING

08/08/2003

GROUP

1745

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
34	4,373,391	02/15/1983	Johnson	73	335	04/24/1981
35	4,389,297	06/21/1983	Korach	204	252	05/13/1981
36	4,394,244	07/19/1983	Divisek et al.	204	295	07/07/1980
37	4,406,752	09/27/1983	Weininger et al.	204	3	11/29/1982
38	4,414,092	11/08/1983	Lu et al.	204	294	04/15/1982
39	4,444,639	04/24/1984	Schurig et al.	204	257	07/27/1982
40	4,457,824	07/03/1984	Dempsey et al.	204	290 F	06/28/1982
41	4,588,661	05/13/1986	Kaufman et al.	429	36	08/27/1984
42	4,652,502	03/24/1987	Breault et al.	429	13	12/30/1985
43	4,707,229	11/17/1987	Dempsey et al.	204	129	12/22/1983
44	4,715,938	12/29/1987	Billings	204	129	11/04/1986

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

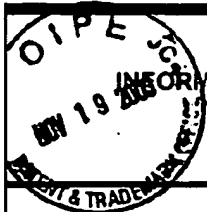
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

45	1982 17th Intersociety Energy Conversion Engineering Conference, "Status of Solid Polymer Electrolyte Fuel Cell Technology and Potential for Transportation Applications" J.F. McElroy et al. (6 pages) August 8-12, 1982
46	Frontiers of Power Technology Conference, October 9-10, 1974, "Prospects for Electrolytic Hydrogen for Chemical/Industrial Plants", Leonard J. Nuttall (23 pages)

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.

PES-0160

SERIAL NO.

10/604,670

John Zagaja, et al.

FILING

08/08/2003

GROUP

1745

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	47	4,950,371	08/21/1990	McElroy	204	129	03/24/1989
	48	5,296,109	03/22/1994	Carlson et al.	204	129	06/02/1992
	49	5,346,778	09/13/1994	Ewan et al.	429	19	08/13/1992
	50	5,372,689	12/13/1994	Carlson et al.	204	252	03/18/1994
	51	5,470,448	11/28/1995	Molter et al.	204	252	01/28/1994
	52	5,690,797	11/25/1997	Harada et al.	204	229	01/18/1996
	53	5,837,110	11/17/1998	Dean	204	240	12/17/1996

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

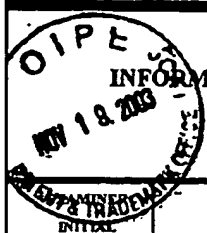
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	54	"Feasibility Study of Regenerative Solid Polymer Electrolyte Fuel Cell System Using Hydrogen/Chlorine Reactants for High Efficiency Energy Storage", L.J. Nuttall et al., (19 pages) 1977
	55	Proceedings of the 28th Power Sources Symposium, 12-15 June 1978, "An Assessment of the Solid Polymer Electrolyte Fuel Cell for Mobile Power Plants", J.F. McElroy (5 pages)

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION DISCLOSURE CITATION***(Use several sheets if necessary)*

Docket Number (Optional)

PES-0160

Application Number

10/604,670

Applicant(s)

John Zagaja, et al.

Filing Date

08/08/2003

Group Art Unit

1745**OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

56

7th Intersociety Energy Conversion Engineering Conference, 1972, "The Solid Polymer Electrolyte Fuel Cell for the Space Shuttle Orbiter", Lloyd E. Chapman, (7 pages)

57

Abstracts of Papers, First Chemical Congress of the North American Continent, Mexico City, Mexico, November 30 - December 5, 1975, No. 21, "Some Physico-Chemical Properties of Select Hydrated Sulfonic Acid Membranes used in Separation and Electrochemical Devices", (3 pages)

58

Operations and Maintenance Manual for the SIFR - SPE Oxygen Generator Assembly (OGA), March 25, 1993, D.W. Rethke 9 Apr 1993

59

8th Intersociety Energy Conversion Engineering Conference Proceedings, University of Pennsylvania, Philadelphia, PA, August 13-17, 1973, "Electrolytic Hydrogen Fuel Production with Solid Polymer Electrolyte Technology", W.A. Titterington et al., (7 pages)

60

Journal of the Electrochemical Society, Vol. 118 No. 3, March, 1971, "Electrochemical Detection of H₂, CO, and Hydrocarbons in Inert or Oxygen Atmospheres", A.B. LaConti et al., (2 pages)

61

Hydrogen Energy System, Proceedings of the 2nd World Hydrogen Energy Conference, held in Zurich, Switzerland, 21-24 August 1978, "Solid Polymer Electrolyte Water Electrolysis Development Status", L.J. Nuttall et al., (9 pages)

62

General Electric Company, Report No. 71-C-303, October, 1971, "The Current Status of Ion Exchange Membrane Fuel Cells", L.W. Niedrach et al.

63

"A Low Pressure Electrolyzer for the Next Generation Submarine", Andrei Leonida et al., 22nd International Conference on Environmental Systems, Seattle, Washington, July 13-16, 1992 (7 pages)

64

Proceedings of the 33rd International Power Sources Symposium, 13-16 June 1988, "Hydrogen/Oxygen Fuel Cells with In-Situ Product Water Removal", Andrei Leonida, United Technologies Corp., (8 pages)

65

Proceedings of Eighth Synthetic Pipeline Gas Symposium, Ramanda O'Hare Inn, Chicago, Illinois, October 18-20, 1976, "Application of Solid Polymer Electrolyte Water Electrolysis for Bulk Hydrogen Generation, L.J. Nuttall, (13 pages)

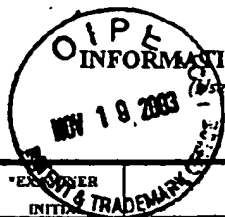
66

Conference Proceedings Volume II, 1st World Hydrogen Energy Conference, 1-3 March 1976, Miami Beach, Florida, "Conceptual Design of Large Scale Water Electrolysis Plant using the Solid Polymer Electrolyte Technology, L.J. Nuttall, (2 pages)

67

Journal of the Electrochemical Society, Vol 125, No. 3, March, 1978, Abstract No. 485, "New Developments in Alkaline Electrolysis Technology", A.J. Appleby et al, (5 pages)

EXAMINER**DATE CONSIDERED*****EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



DOCKET NUMBER (Optional) PES-0160		APPLICATION NUMBER 10/604,670
APPLICANT(S) John Zagaja, et al.		
FILING DATE 05/08/2003		GROUP ART UNIT 1745
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
68	Industrial and Government Applications of SPE Fuel Cell and Electrolyzers, T.G. Coket et al., The Case Western Symposium on "Membranes and Ionic and Electronic Conducting Polymer" May 17-19, 1982, Cleveland, Ohio, (23 pages)	
69	"Solid Polymer Electrolyte Water Electrolysis Technology Development for Large-Scale Hydrogen Production". Final Report, October 1977 - November 1981, General Electric Company, Wilmington, Massachusetts	
70	Prepared for the Presentation at the National Meeting of the American Institute of Chemical Engineers, Symposium on "Some Recent Advances in the Chemical Engineering Aspects of Energy Conversion", June 3-6, 1973, Detroit, Michigan, "Prehumidification of Reactants for Light Weight Hydrogen-Oxygen Fuel Cells", A.P. Fickett et al., (28 pages)	
71	Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, Cleveland Convention Center, Cleveland, Ohio, March 4-8, 1974, "A Solid Polymer Electrolyte Hydrogen Gas Generator for Gas Chromatography", R.C. Jones, (3 pages)	
72	NASA Center for Aerospace Information (CASI), Global Connection to Aerospace Research, "Status and Applicability of Solid Polymer Electrolyte Technology to Electrolytic Hydrogen and Oxygen Production, W.A. Titterton, (3 pages)	
73	SPE Water Electrolysis Subsystem, Configuration and Operations Manual, Prepared by Hamilton Standard Division, Electro-Chem Products, July, 1991	
74	International Search Report; International Application No. PCT/US 00/4223; International Filing Date 17/11/200 (7 pgs); Date of Mailing 29/04/2002	
EXAMINER		DATE CONSIDERED
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		